

WHAT IS CLAIMED IS:

1. A quantity-of-light adjusting device, comprising:
a first quantity-of-light adjusting blade and a second quantity-of-light adjusting blade which move to adjust quantity of light; and
a detecting member which detects that said first quantity-of-light adjusting blade is at a predetermined location, while also detecting that said second quantity-of-light adjusting member has moved to said predetermined location following said first quantity-of-light adjusting blade moving from said predetermined location.
2. A quantity-of-light adjusting device according to Claim 1, further comprising a base plate with an opening formed therein, wherein said first quantity-of-light adjusting blade turns on a first shaft provided on said base plate, and said second quantity-of-light adjusting blade turns on a second shaft provided on said base plate, in a direction opposite the turning of said first quantity-of-light adjusting blade.
3. A quantity-of-light adjusting device according to Claim 2, wherein said detecting member outputs a first signal indicating the position of said first quantity-of-

light adjusting blade in a state wherein said first quantity-of-light adjusting blade and said second quantity-of-light adjusting blade close said opening, before said quantity-of-light adjusting blades move and light flux begins to pas through said opening, and also outputs a second signal indicating the position of said second quantity-of-light adjusting blade in a state wherein the quantity-of-light adjusting blades have further turned and the opening is fully open.

4. A quantity-of-light adjusting device according to Claim 1, wherein said detecting member is a photo-sensor.

5. A quantity-of-light adjusting device according to Claim 1, wherein said first quantity-of-light adjusting blade and said second quantity-of-light adjusting blade each have a pair of blades.

6. A quantity-of-light adjusting device, comprising:
a first quantity-of-light adjusting blade and a second quantity-of-light adjusting blade which move to adjust quantity of light;

a driving member for turning said first and second quantity-of-light adjusting blades in mutually opposite directions so as to change the diameter of an opening formed

between said first quantity-of-light adjusting blade and said second quantity-of-light adjusting blade; and

a detecting member which detects that said first quantity-of-light adjusting blade is at a predetermined location, while also detecting that said second quantity-of-light adjusting member has been driven to said predetermined location by said driving member following said first quantity-of-light adjusting blade having been retracted from said predetermined location.